

NOTICE OF DRAFTSPERSON'S  
PATENT DRAWING REVIEWThe drawing(s) filed (insert date), 11/13/01, are approved by the Draftsperson under 37 CFR 1.84 or 1.152 objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings.	8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i):
<input type="checkbox"/> Black ink, color.	<input type="checkbox"/> Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____
<input type="checkbox"/> Color drawings are not acceptable until petition is granted.	<input type="checkbox"/> _____
<input type="checkbox"/> Figs(s) _____	9. SCALE. 37 CFR 1.84(k):
<input type="checkbox"/> Pen and non black ink not permitted. Fig(s) _____	<input type="checkbox"/> Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) _____
2. PHOTOGRAPHS. 37 CFR 1.84(f):	10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(t):
<input type="checkbox"/> Full tone etching required. Fig(s) _____	<input type="checkbox"/> Line, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality). Fig(s) _____
<input type="checkbox"/> Photography may not be mounted. 37 CFR 1.84(e)	11. SHADING. 37 CFR 1.84(m):
<input checked="" type="checkbox"/> Poor, indistinct, Fig(s) <u>ALL</u>	<input type="checkbox"/> Solid black areas pale. Fig(s) _____
3. TYPE OF PAPER. 37 CFR 1.84(c):	<input type="checkbox"/> Solid black shading not permitted. Fig(s) _____
<input type="checkbox"/> Paper not flexible, strong, white, and durable.	<input type="checkbox"/> Shaded lines pale, rough and blurred. Fig(s) _____
<input type="checkbox"/> Figs _____	12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.4(p):
<input type="checkbox"/> Eraser, smudges, overwriting, interlineations.	<input type="checkbox"/> <input type="checkbox"/> Numbers and reference characters not plain and legible. Fig(s) _____
<input type="checkbox"/> Folds, copy machine marks not accepted. Fig(s) _____	<input type="checkbox"/> <input type="checkbox"/> Figure legends are poor. Fig(s) _____
<input type="checkbox"/> Metal, velveteen paper is not acceptable (too thin).	<input type="checkbox"/> <input type="checkbox"/> Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(3) Fig(s) _____
<input type="checkbox"/> Fig(s) _____	<input type="checkbox"/> <input type="checkbox"/> English alphabet not used. 37 CFR 1.84(p)(2) Fig(s) _____
4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:	<input type="checkbox"/> <input type="checkbox"/> Numbers, letters and reference characters must be at least 32 m (1.8 inch) in height. 37 CFR 1.84(p)(3) Fig(s) _____
<input type="checkbox"/> 21.0 m by 29.7 cm (E15, size A4)	13. LEAD LINES. 37 CFR 1.84(q):
<input type="checkbox"/> 21.6 m by 27.9 cm (A2 x 11 inches)	<input type="checkbox"/> <input type="checkbox"/> Lead lines cross each other. Fig(s) _____
<input type="checkbox"/> All drawing sheets not the same size.	<input type="checkbox"/> <input type="checkbox"/> Lead lines missing. Fig(s) _____
<input type="checkbox"/> Sheet(s) _____	14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(i):
<input type="checkbox"/> Drawings held not in acceptable size. Fig(s) _____	<input type="checkbox"/> <input type="checkbox"/> Sheet(s) not numbered consecutively, and in Arabic numerals beginning with number 1. Sheets) _____
5. MARGINS. 37 CFR 1.84(g): Acceptable margins.	15. NUMBERING OF VIEWS. 37 CFR 1.84(u):
Top 2.5 cm (c) 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A4 Size	<input type="checkbox"/> <input type="checkbox"/> Views not numbered consecutively, and in Arabic numerals beginning with number 1. Fig(s) _____
Top 2.5 cm (Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A4 x 11)	16. CORRECTIONS. 37 CFR 1.84(s):
Margin not acceptable. Fig(s) _____	<input type="checkbox"/> <input type="checkbox"/> Corrections not made from prior PTO-948 dated _____
<input type="checkbox"/> Top (L) _____ Left (L) <input type="checkbox"/> Right (R) _____ Bottom (B)	17. DESIGN DRAWINGS. 37 CFR 1.152
6. VIEWS. 37 CFR 1.84(h):	<input type="checkbox"/> <input type="checkbox"/> Surface shading shown not appropriate. Fig(s) _____
REMINDER: Specification may require revision to correspond to drawing changes.	<input type="checkbox"/> <input type="checkbox"/> Solid black shading not used for color contrast. Fig(s) _____
Partial view. 37 CFR 1.84(h)(2):	
<input type="checkbox"/> Brackets needed to show figure is one entity.	
<input type="checkbox"/> Fig(s) _____	
<input type="checkbox"/> Views not labeled separately, or properly.	
<input type="checkbox"/> Fig(s) _____	
<input type="checkbox"/> Enlarged view not labeled separately or properly.	
<input type="checkbox"/> Fig(s) _____	
7. SECTIONAL VIEWS. 37 CFR 1.84(h)(3):	
<input type="checkbox"/> Drafting not indicated for sectional portions of an object.	
<input type="checkbox"/> Fig(s) _____	
<input type="checkbox"/> Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____	

## COMMENTS

REVIEWER K. L. Becc DATE 4/24/02 TELEPHONE NO. 703-306-3224

## REMINDER

Drawing changes may also require changes in the specification, e.g., if Fig. 1 is changed to Fig 1A, Fig. 1B, Fig. 1C, etc., the specification, at the Brief Description of the Drawing, must likewise be changed. Please make such changes by 37 CFR 1.312 Amendment at the time of submitting drawings.

## INFORMATION ON HOW TO EFFECT DRAWING CHANGES

### 1. Correction of Drawings - 37 CFR 1.85

File new drawings with the changes incorporated therein. Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin. The drawing should be filed as a separate paper with a transmittal letter addressed to the Drawing Review Branch.

### 2. Timing for Corrections

Applicant is required to submit **acceptable** corrected drawings within the three-month shortened statutory period set in the Notice of Allowability (PTOL-37).

Failure to take corrective action within set period will result in **ABANDONMENT** of the Application.

### 3. Corrections other than Defects Noted by the Drawing Review Branch on the Form PTO-948

All changes to the drawings, other than defects noted by the Drawing Review Branch, **MUST** be approved by the examiner before the application will be allowed. No changes will be permitted other than correction of defects, unless the examiner has approved the proposed changes.